PTO/SB/05 (08-03)
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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.		306812005200					
First Inventor		Michael HUTTON					
Title	SHARED LO FOR THE EF BARREL SH	OKUP TABLE ENHANCEMENTS FICIENT IMPLEMENTATION OF IFTERS					

(Only to any anapositional analizations under 27 CER 4 52/h))	BARREL SHIFTERS						
(Only for new nonprovisional applications under 37 CFR 1.53(b)) Expres	s Mail Label No. EV 336624690 US						
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450							
1. X Fee Transmittal Form (e.g., PTO/SB/17) (2 pages) (Submit an original, and a duplicate for fee processing) 2. Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 19] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 10] 5. Oath or Declaration [Total Sheets 2] a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	7. CD-ROM or CD-R in duplicate, targe table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. X Assignment Papers (cover sheet & document(s)) (3 pages) 10. X 37 CFR 3.73(b) Statement + copy X Power of Assignment (3 pages) Attorney (1 page) 11. English Translation Document (if applicable) 12. X Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations (4 pages) 13. Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if toreign priority is claimed) 16. X Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. (1						
6. X Application Data Sheet. See 37 CFR 1.76 (3 pages)	17. X Other. Associate Power of Attorney (2 pages)						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by							
reference. The incorporation can only be relied upon when a portion ha	s been inadvertently omitted from the submitted application parts.						
x Customer Number: 25226	OR Correspondence address below						
Name							
Address	•						
City State	Zip Code						
Country Telephone	Fax .						
Name (Print/Type) Alan S. Hodes Signature	Registration No. (Attorney/Agent) 38,185 Date March 22, 2004						
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 336624690 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. Dated: 322004 Signature: (Tia B. Zimmerman)							

PTO/SB/17 (10-03)

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FEE TO A NOMETA I		Complete if Known						
FEE TRANSMITTAL	, '	Application Number			er Not Yet A	Not Yet Assigned		
for FY 2004		Filing Date			Concurre	Concurrently Herewith		
		First Named Inventor			ntor Michael H	Michael HUTTON		
Effective 10/01/2003, Patent fees are subject to annual revision.		Examiner Name			Not Yet A	Not Yet Assigned		
Applicant claims small entity status. See 37 CFR 1.27	Art Unit				Not Yet A	Not Yet Assigned		
TOTAL AMOUNT OF PAYMENT (\$) 810.00		Attorney Docket No. 306812005200						
METHOD OF PAYMENT (check all that apply)	T			FEE	CALCULATION (co	ntinued)		
Check Credit Money Other None	3. <i>A</i>	DDITI	ONAL	FEES				
X Deposit Account:								
Deposit 02.4050	Large Fee	Entity Fee	Small	Entity	_			
Account Number 03-1952	Code		Code	(\$)	Fee Desc	ription	Fee Paid	
Deposit Namina & Formatal LD	1051	130	2051	65	Surcharge – late filing fee	e or oath		
Account Name Morrison & Foerster LLP	1052	50	2052	25	Surcharge - late provision			
The Director is authorized to: (check all that apply)	1002	50	2032	25	sheet.			
Charge fee(s) indicated below Credit any overpayments	1053	130	1053	130	Non-English specification	n		
X Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	For filing a request for exp	parte reexamination		
Charge fee(s) indicated below, except for the filling fee	1804	920*	1804	920*	Requesting publication of Examiner action	of SIR prior to		
to the above-identified deposit account.	1805	1,840*	1805	1,840	Requesting publication o	of SIR after		
FEE CALCULATION	1251	110	2251	55	Examiner action Extension for reply within	n first month		
1. BASIC FILING FEE	1252	420	2252	210	Extension for repty within			
Large Entity Small Entity	1253	950	2253	475	Extension for reply within	third month		
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within	n fourth month		
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Extension for reply within	n fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal			
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support o			
1004 770 2004 385 Reissue filing fee	1403 1451	290 1,510	2403 1451	145 1 510	Request for oral hearing Petition to institute a pub			
	1452	110	2452	55	Petition to revive - unave	•		
SUBTOTAL (1) (\$) 770.00	1453	1,330	2453	665	Petition to revive - uninte	entional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissu	ue)		
Extra Fee from Claims , below Fee Paid	1502	480	2502	240	Design issue fee			
Total Claims 15 -20** = 0 x 18.00 = 0.00	1503	640	2503	320	Plant issue fee			
Independent 1 -3** = 0 x 86.00 = 0.00	1460	130	1460	130	Petitions to the Commiss	sioner		
Multiple Dependent 290.00 = 0.00	1807	50	1807	50	Processing fee under 37	CFR 1.17(q)		
Large Entity Small Entity	1806	180	1806	180	Submission of Informatio			
Fee Fee Fee Code (\$) Fee Description	8021	40	8021	40	Recording each patent as property (times number of		40.00	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after (37 CFR 1.129(a))	final rejection		
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional inver			
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	examined (37CFR 1.129 Request for Continued E		\vdash	
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	Request for expedited ex	xamination		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	Other	fee (spe	i cify)		of a design application			
SUBTOTAL (2) (\$) 0.00 **or number previously paid, if greater, For Reissues, see above	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00							
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Alan S. Hodes	Regist	ration No ey/Agent)	38	,185	1	(650) 813-5622		
Signature	IUM	-yrnysiil)				March 22, 2004	-	

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NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

required to respond to a delicement of anioning and anicos in displayers a valid divide delicer manibe						
First Named Inventor		Named Inventor	Michael HUTTON			
	Title	SHARED LOOKUP TABLE ENHANCEMENTS FOR THE EFFICIENT IMPLEMENTATION OF BARREL SHIFTERS				
Attorney Docket No.		ey Docket No.	306812005200			

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

March 22, 2004 Date Signature (650) 813-5622 Alan S. Hodes - 38,185 Telephone Number Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).